



The Abdus Salam
International Centre
for Theoretical Physics



Joint ICTP-WE Heraeus Conference on Sustainability and Resilience Through Large Scale Infrastructures and Global Cooperation

Description:

This conference aims for global community building, international cooperation and scientific discussions across continents around large-scale research infrastructures.

MORE DETAILS:

Scientifically it emphasizes on energy research (e.g. photovoltaics, chemical energy conversion, energy storage) representing one of the most pressing global problems. We will cover scientific infrastructures and possibilities offered at synchrotrons which can act as crystallization seeds for global collaboration - the second focus of the conference. Access to large-scale infrastructures, remote experiments and modern opportunities by digitalization, AI and automated experiments will be discussed before the conference is rounded up by hands-on remote experiments.

TOPICS:

- Sustainable Energy Supply
- Chemical Energy Conversion
- Energy Storage
- Synchrotron Radiation Sources and Methods
- The Role of Large-Scale Research Infrastructures and Global Collaboration
- Digitalization and Open Science
- Access and Remote Access
- Hands-on Training

SPEAKERS:

M. B. ABDUL RAHMAN, ISTIC-UNESCO and Putra University, Malaysia
S. ARTIKOVA, Goethe University, Germany
M. BASSANESE, Elettra, Italy
R. HEUER, SESAME, Jordan
B. HINRICHESEN, BASF, Germany
K. KIEFER, HZB, Germany
E. LIST-KRATOCHVIL, HZB, Germany
C. MCGUINNESS, Trinity College Dublin, Ireland
E. MITCHELL, ESRF, France
E. MONERJAN, HZB, Germany

B. MURPHY, Kiel University, Germany
A. NANDY, HZB, Germany
L. OMBAKA, TU Kenya
E. ÖZENSÖY, Bilkent University, Turkey
Ö. ÖZTÜRK, Siegen University, Germany
P. PIWOWARCZYK, Solaris, Poland
B. REDLICH, HFML-FELIX, Netherlands
E. UNGER, HZB, Germany
R. VAN DE KRÖL, HZB, Germany
J. VIEFHAUS, HZB, Germany
G. VIOLINI, Italy
H. C. WILLE, DESY, Germany



18 - 22 November 2024



Trieste, Italy



**Deadline:
30 April 2024**

DIRECTORS:

A. LAUSI, SESAME, Jordan
F. LEHNER, DESY, Germany
A. VOLLMER, HZB, Germany

LOCAL ORGANISER:

R. KAISER, ICTP, Italy

FURTHER INFORMATION:

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Web: <https://indico.ictp.it/event/10513/>

Female scientists are encouraged to apply.

GRANTS:

The WE Heraeus Foundation and ICTP offer up to 50 full scholarships (travel, lodging, full board) for PhD students, young postdoctoral researchers, and early career scientists to attend the conference. In principle, the conference is open to the global science community. We particularly encourage early career scientists from Southeast and Central Asia, Africa, and Middle East and Eastern Mediterranean. There is no registration fee.

**WILHELM UND ELSE
HERAEUS-STIFTUNG**

